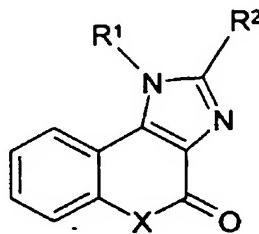


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 4. (Canceled)

5. (Currently Amended) A method of treating allergic disorders, asthma, chronic bronchitis, atopic dermatitis, psoriasis, ~~skin disorders~~, inflammatory disorders, autoimmune diseases, osteoporosis, transplant rejection reactions, cachexia, ~~tumor tumour~~ growth, ~~tumor tumour~~ metastases, sepsis, ~~memory disturbances~~ or atherosclerosis comprising administering, to a host in need thereof, an effective amount of a compound of formula I



in which

R¹ is H, A, benzyl, indan-5-yl, 1,2,3,4-tetrahydronaphthalen-5-yl, dibenzothien-2-yl, or phenyl which is unsubstituted or mono-, di- or trisubstituted by Hal, A, A-CO-NH, benzyloxy, alkoxy, COOH or COOA,

R² is H or A,

X is O or S,

Hal is F, Cl, Br or I,

A is alkyl with 1 to 6 C atoms,

or a physiologically acceptable salt or solvate thereof.

6. (Currently Amended) A method according to claim 5, wherein the autoimmune disorder is rheumatoid arthritis, multiple sclerosis, Crohn's disease, diabetes mellitus, or ulcerative colitis or AIDS.

7. (Currently Amended) A method according to claim 5 3, wherein the compound of formula I is

1-Phenyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Benzyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclohexyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclopentyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Butyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Isopropyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Propyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Ethyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Methyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
[1]Benzopyrano[3,4-d]imidazol-4-(1H)-one,
2-Methyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,

1-Phenyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Benzyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclohexyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclopentyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Butyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Isopropyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Propyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Ethyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Methyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,

[1]Benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
2-Methyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Chlorophenyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Methyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Fluorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,4-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Chlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,4-Dichlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,5-Dichlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Acetamido-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Fluorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Fluorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Benzyloxy-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,6-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(Indan-5-yl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Methoxy-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,3-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,3-Dichlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Chloro-4-methyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,5-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Chlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(1,2,3,4-Tetrahydronaphthalen-5-yl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(Dibenzothien-2-yl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Methoxy-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one, or
1-(4-Carboxy-2-methyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one.

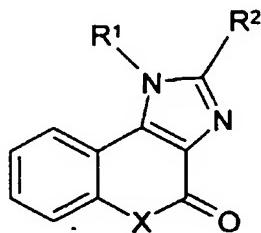
8. (Previously Presented) A method according to claim 6, wherein the compound of formula I is

1-Phenyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Benzyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclohexyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclopentyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Butyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Isopropyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Propyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Ethyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-Methyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
[1]Benzopyrano[3,4-d]imidazol-4-(1H)-one,
2-Methyl-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,

1-Phenyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Benzyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclohexyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Cyclopentyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Butyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Isopropyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Propyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Ethyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-Methyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
[1]Benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
2-Methyl-[1]benzothiopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Chlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Methyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Fluorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,4-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Chlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,4-Dichlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,

1-(2,5-Dichlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Acetamido-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Fluorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Fluorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Benzyloxy-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,6-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(Indan-5-yl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2-Methoxy-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,3-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,3-Dichlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Chloro-4-methyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(2,5-Dimethyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(4-Chlorophenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(1,2,3,4-Tetrahydronaphthalen-5-yl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(Dibenzothien-2-yl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one,
1-(3-Methoxy-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one, or
1-(4-Carboxy-2-methyl-phenyl)-[1]benzopyrano[3,4-d]imidazol-4-(1H)-one.

9. (New) A method of treating rheumatoid arthritis, multiple sclerosis, Crohn's disease, diabetes mellitus or ulcerative colitis comprising administering, to a host in need thereof, an effective amount of a compound of formula I



in which

R¹ is H, A, benzyl, indan-5-yl, 1,2,3,4-tetrahydronaphthalen-5-yl, dibenzothien-2-yl, or phenyl which is unsubstituted or mono-, di- or trisubstituted by Hal, A, A-CO-NH, benzyloxy, alkoxy, COOH or COOA,

R² is H or A,

X is O or S,

Hal is F, Cl, Br or I,

A is alkyl with 1 to 6 C atoms,

or a physiologically acceptable salt or solvate thereof.